

Floor & Tubes Setup Guide

Correct inflation sequence for Aerowave boats with a hard AirDeck floor

CRITICAL AIRDECK INSTRUCTION

A lithium pump is useful for the first minute only and will bring the hard AirDeck floor to approximately **2–2.5 PSI**. It cannot achieve the recommended final pressure. Change to the **supplied manual high-pressure pump** and use the gauge to reach **8–10 PSI**.

The lithium pump remains suitable for the hull tubes. The tubes' factory-set over-inflation valves control excess pressure. Never rely on those valves for the AirDeck floor.

Before you start

- Choose flat, clean ground free from sharp objects, hot bitumen, shells and grit.
- Lay out the hull, hard AirDeck floor, seats and fittings.
- Keep the supplied manual high-pressure pump and pressure gauge beside the boat.
- Set each valve to the closed inflation position before connecting a pump.

Pressure targets

Component	Target pressure	Pump instruction
Hull tubes	Use the pressure marked for your model	Lithium or supplied manual pump; relief valves control excess
Hard AirDeck floor	8–10 PSI	Lithium to 2–2.5 PSI only; supplied manual pump to final pressure
Inflatable keel, if fitted	Use the pressure marked for your model	Inflate last with the supplied manual pump and gauge

ALWAYS USE THE GAUGE

Do not inflate by feel. An AirDeck can look full at 2–2.5 PSI but remains well below its working pressure and will feel soft underfoot.

Hard AirDeck setup

1 · Part-inflate the hull

Inflate the hull chambers evenly until the boat holds its shape but remains soft enough to position the floor.

2 · Position the AirDeck

Place the deflated floor correctly inside the hull. Seat it against the bow and transom, and beneath any retaining brackets fitted to your model. Remove wrinkles and trapped fabric.

3 · Lithium pump for the first minute only

Connect the lithium pump to the floor valve. Use it only until the floor reaches approximately **2–2.5 PSI**, usually about one minute. Stop there.

4 · Change to the supplied manual pump

Connect the supplied manual high-pressure pump and gauge. Pump steadily to **8 PSI**, re-check that the floor remains correctly seated, then continue to the required pressure without exceeding **10 PSI**.

5 · Finish the hull and keel

Bring the hull chambers to the pressure marked for your model, working evenly from chamber to chamber. Inflate the keel last if your model has one.

DO NOT KEEP RUNNING THE LITHIUM PUMP

The lithium pump cannot achieve final hard AirDeck pressure. If it stops near 2–2.5 PSI, that is expected — it is time to use the supplied manual pump.

Checks and troubleshooting

Before launch

- Confirm the AirDeck gauge reading is 8–10 PSI and the valve cap is fitted.
- Confirm every hull chamber is at the pressure marked for that model.
- Check the floor is flat, centred and securely retained.
- Re-check pressures after temperature changes or after the boat enters cold water.

Floor feels soft

Check it with the gauge. A floor stopped at lithium-pump pressure — approximately 2–2.5 PSI — is under-inflated. Use the supplied manual pump to reach 8–10 PSI before use.

Pack-down

- Deflate the keel first if fitted, then the AirDeck and hull chambers in the sequence stated in your owner's manual.
- Rinse with fresh water, dry fully in the shade and keep grit away from valves and folded surfaces.

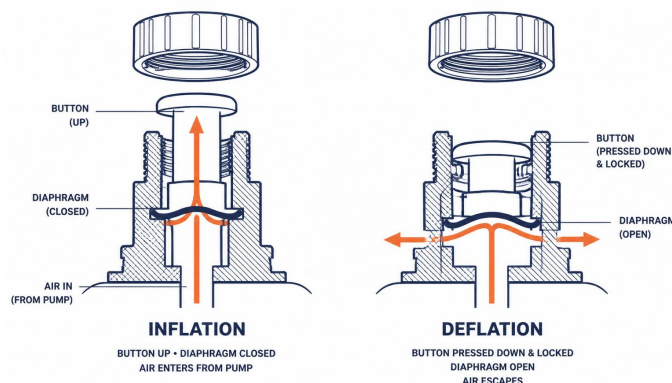
NEED HELP?

Contact Easy Inflatables before launching if the supplied manual pump, gauge or any valve is missing or damaged: sales@easyinflatables.com.au · +61 2 4335 1603

VALVES & INFLATION · 28/09/2026

Set the valves. Stop small leaks.

These are the **inflation/deflation valves** on the hull and floor, not the separate factory-set pressure-relief valves. Do not put the repair-kit tool on a pressure-relief valve.



Existing owner-manual valve diagram: centre pin UP = inflate / one-way seal; pin locked DOWN = deflate. Diagram, not a photo of the repair-kit tool.

Before inflating

1. Remove the dust cap by turning it **anti-clockwise**. Check the centre pin. If it is down, press it and rotate about a quarter turn until it springs **up**. Connect the hose and inflate; remove the hose and screw the cap back on **finger-tight clockwise**. To deflate, press and turn the pin until it stays down. If your supplied valve uses a push/push latch rather than a quarter-turn latch, press to toggle and confirm the pin stays up before pumping.

If you hear air at a valve or cap

2. On shore, check the chamber pressure with the gauge. Spray soapy water around the cap and then around the valve body. Bubbles identify the leak. Remove and inspect the cap seal/O-ring; wipe sand, salt and grit from the cap threads, seal and valve seat with fresh water, then dry. Make sure the pin is UP and refit the cap finger-tight. A missing, damaged or dirty cap seal can leak; replace it with the correct part. **Do not rely on a leaking cap to retain pressure.**

3. If bubbles come from where the **inflation-valve body meets the fabric**, deflate that chamber fully. Hold the inner valve backing from inside the fabric so it cannot spin. Fit the repair-kit valve spanner into the matching slots of the **outer inflation-valve body**. Looking straight at the valve from outside the boat, turn the tool **clockwise to tighten**, a small amount only. Turn **anti-clockwise to loosen/remove** if reseating or replacing the seal. Do not twist the fabric, cross-thread or overtighten; never turn a relief valve.

TEST BEFORE LAUNCH

Reinflate to the pressure specified for your model, refit the cap and repeat the soapy-water test around both cap and valve base. If bubbles continue, the O-ring is damaged, the backing turns, the fabric seam is leaking or the valve does not match this design, stop and contact Easy Inflatables for the correct part and instructions: +61 2 4335 1603 · sales@easyinflatables.com.au. Never launch with a leaking chamber.

AIRDECK FLOOR · 28/09/2026

Manual pump to 8 PSI.

The floor should be correctly positioned before it is inflated. A lithium/automatic pump can **start** the hard AirDeck to approximately **2–2.5 PSI** (about the first minute). Then disconnect it and use the supplied **manual high-pressure pump with its gauge** for the rest. You can do the entire inflation manually; an automatic pump is optional.



Actual Aerowave manual-pump demonstration: the hose connects to the AirDeck valve and the pump is operated by foot. Frame from the existing Aerowave demonstration film; always use the supplied gauge to verify pressure.

1. Pump steadily with the manual pump in its high-pressure setting (if it has one). Watch the gauge attached to the floor, not how firm the floor looks. Stop at **8 PSI** as the recommended working pressure. The approved floor range is **8–10 PSI**; never exceed **10 PSI**. Recheck the floor position and retaining brackets before use.
2. Disconnect the hose, refit the dust cap finger-tight and check the reading again after temperature changes. If the floor feels soft, check with the gauge and top up **manually** before launching. Do not use the lithium pump for final AirDeck pressure or assume the tube relief valves protect the floor.

DIFFERENT PARTS, DIFFERENT PRESSURES

The hard AirDeck is a separate chamber from the hull tubes. Use the pressure marked for your model for the hull, and follow its floor-installation sequence. Tube relief valves do not regulate floor pressure.